**Document DB**

[Amazon DocumentDB cluster](https://docs.aws.amazon.com/documentdb/latest/developerguide/get-started-guide.html#cloud9-cluster)

**API Gateway**

|  |  |  |  |
| --- | --- | --- | --- |
| SNO | Resources endpoints | METHOD |  |
| 1 | /customer  <https://3598y3s21l.execute-api.us-east-1.amazonaws.com/api/customer> | POST  Lambda called: **customer\_registration\_lambda** | Called in for customer registration. Called via python code for simulation of 5 customers or can be called via post man for registration of one customer |
| GET  Lambda called:  **customer\_details\_lambda** | Fetches customer details |
| 2 | /taxi  <https://3598y3s21l.execute-api.us-east-1.amazonaws.com/api/taxi> | POST  Lambda called:  **taxi\_registration\_lambda** | Called in for taxi registration. Called via python code for simulation of 50 taxis or can be called via post man for registration of 50 taxis |
| GET  Lambda called:  **taxi\_details\_lambda** | Fetches taxi details |
| 3 | /cleardata  <https://3598y3s21l.execute-api.us-east-1.amazonaws.com/api/cleardata> | GET  Lambda called:  **clear\_data\_lambda** | Clears all data from customer, taxi, booking and tri details for fresh demo |
| 4 | /latlongupdater  <https://3598y3s21l.execute-api.us-east-1.amazonaws.com/api/latlongupdater> | POST  Lambda called:  **latlong\_update\_lambda** | Updates taxi lat/long.  Called via python for simulation of per minute lat/long update |
| 5 | /booktaxi  <https://3598y3s21l.execute-api.us-east-1.amazonaws.com/api/booktaxi?userid=62a0b257e6a7360da3fc44e2&type=ALL> | GET (with query params userid and type) Lambda called: **taxi\_bookingService\_lambda** invokes **taxi\_bookingDB\_lambda** | Searches near by taxi and creates booking if taxis available of selected type in nearby area and sends alerts to taxi drivers |
| 6 | /bookingdetails | GET  Lambda called:  **booking\_details\_lambda** | Fetches booking details |
| 7 | /bookingresponse  <https://3598y3s21l.execute-api.us-east-1.amazonaws.com/api/bookingresponse?bookingid=62a0b9e5d8de0010df60905b&taxiid=62a0b25a9e531b402a65119e&accept=Y> | GET(with query params bookingid ,taxied and accept and type)  Lambda called:  **taxi\_acceptservice\_lambda**  invokes **taxi\_acceptDB\_lambda** | Accepts booking and sends alert to customer. |
| 8 | /trip  <https://3598y3s21l.execute-api.us-east-1.amazonaws.com/api/trip> | GET  Lambda called:  **get\_trip\_details** | Updates trip for start and end |
|  | POST  Lambda called:  **trip\_details\_lambda** | Fetches trip details |

**Lambda**

1. clear\_data\_lambda
2. get\_trip\_details
3. customer\_details\_lambda
4. taxi\_registration\_lambda
5. taxi\_acceptservice\_lambda
6. taxi\_acceptDB\_lambda
7. booking\_response\_service
8. taxi\_bookingDB\_lambda
9. taxi\_bookingService\_lambda
10. latlong\_update\_lambda
11. customer\_registration\_lambda
12. trip\_details\_lambda
13. booking\_details\_lambda
14. taxi\_details\_lambda

**SES**

The list of emails are verified

**S3 bucket**

To deploy lambda code along with required modules zipped along

